

# LEHD

## LONGITUDINAL EMPLOYER - HOUSEHOLD DYNAMICS



# LEHD DATA

- LEHD data is available in three groups
  - Residence Area Characteristics
  - Workforce Area Characteristics
  - Origin Destination data

# RESIDENCE AREA CHARACTERISTICS

- Total number of Jobs by area of residence
- Number of jobs by age in three groups
- Number of jobs by monthly earnings in three groups
- Number of workers in NAICS sector
- Number of workers by Race, ethnicity, education attainment and sex



# WORKPLACE AREA CHARACTERISTICS

- Total number of Jobs by place of Work
- Number of jobs by age in three groups
- Number of jobs by monthly earnings in three groups
- Number of workers in NAICS sector
- Number of workers by Race, ethnicity, education attainment and sex



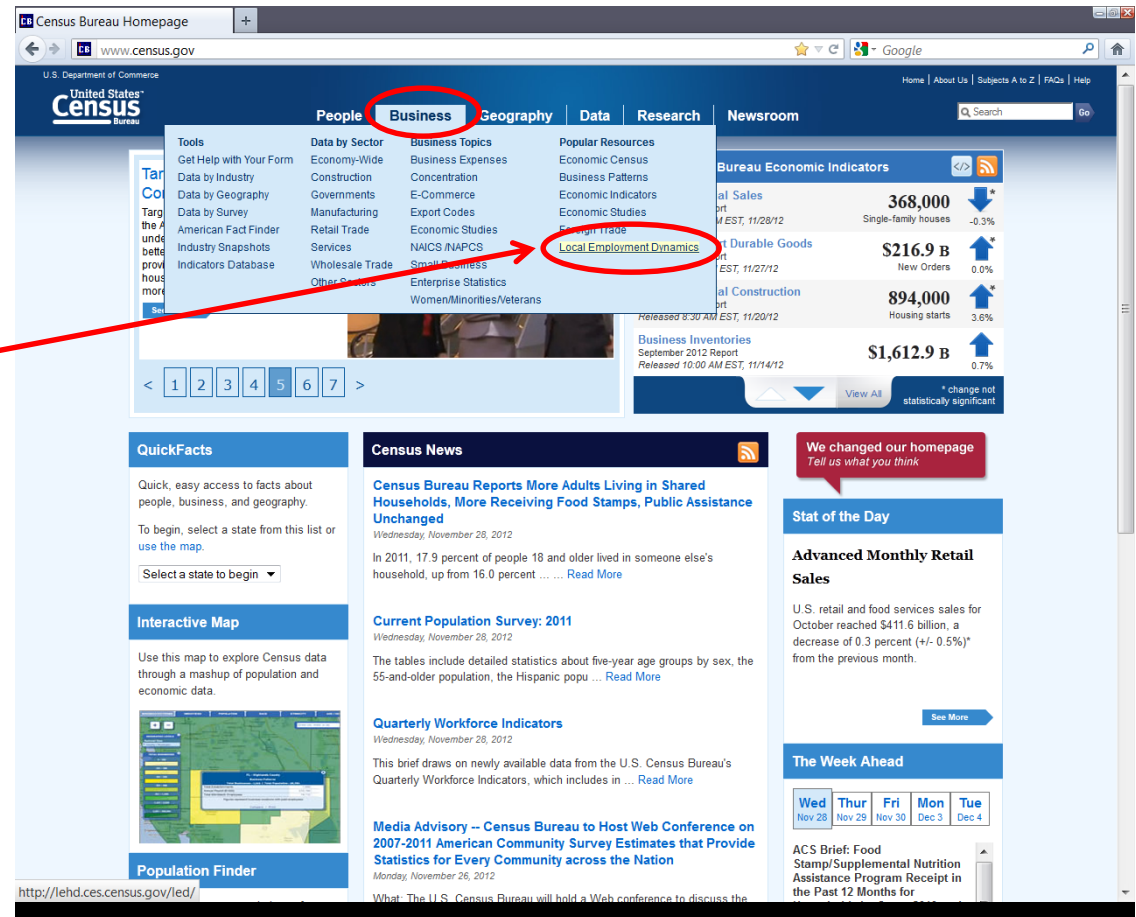
# ORIGIN-DESTINATION DATA

- OD data includes total jobs by area
- Number of jobs by three age groups
- Number of jobs by monthly earnings in three groups



# ACCESS LEHD WEBSITE FROM WWW.CENSUS.GOV

- From the Census website - hover over the **Business** tab
- Click on **Local Employment Dynamics**
- <http://lehd.ces.census.gov/>



# LEHD HOME PAGE

- On the LEHD home page click on **OnTheMap** link

U.S. Census Bureau  
Longitudinal Employer-Household Dynamics

Home | Local Employment Dynamics | Data Tools | Research | Library | About Us  
Site Map | Feedback | Ask Census

Print

**Quick Links**

- Tools**
  - [OnTheMap \(Help\)](#)
  - [Emergency Management \(Help\)](#)
  - [QWI Online \(Help\)](#)
  - [Job Gains/Losses](#)
  - [Industry Focus](#)
  - [Older Worker Profiles](#)
  - [CED HotReport](#)
- Learning**
  - [e-Learning](#)
  - [Webinars](#)
  - [Workshops](#)
- Partnership**
  - [State Partners](#)
  - [Partners Only](#)
- Data Download**
  - [VirtualRDC](#)
  - [State Only](#)
  - [OnTheMap Data \(Help\)](#)
  - [OnTheMap](#)
  - [Data Visualizations](#)
  - [Public Data Explorer](#)

**What's New?**

- 10/03/12: [New QWI for Federal Workers](#)
- 09/14/12: [QWI Firm Age and Size Data Released](#)
- 08/31/12: [New URL reminder](#)
- 08/09/12: [New URL for the LEHD website](#)
- 08/06/12: [OnTheMap Version 6.1.1 Maintenance Release](#)

[Send an email to join the OnTheMap mailing list](#)

[\[more...\]](#)

**Frequently Asked Questions**

- [What is LEHD?](#)
- [What is LED?](#)
- [What is the difference between LEHD and LED?](#)
- [What are the QWI?](#)

[\[more...\]](#)

**OnTheMap for Emergency Management Version 3.0**

- Expanded Report Content** – the addition of Decennial 2010 Demographic & Housing Characteristics; 2010 Jobs & Worker Sex Data
- New Emergency Event Data** – the addition of FEMA Disaster Declaration Areas & NWS Snowfall Probability Forecasts
- More Complete Hurricane Archives** – Capture & Archiving of all Daily NHC Storm Updates
- New Analyses & Visualizations** – New Reports with Charting & Thematic Map Overlays Showing Population & Worker Distributions
- New Interoperability** – New Tool for Exporting Event Areas to use in OnTheMap or Other GIS Applications
- Updated Interface and Help Documentation** – Improved User Interface Speed and Navigability; Improved Event Searching; Newly Updated Help Documentation

[\[more...\]](#)

**Did You Know?**

**Private Sector Total Employment in Iowa**

	2011Q1	2012Q1	Change
<b>All</b>			
Female	571,746	576,511	+0.8%
Male	604,068	620,809	+2.8%
Female	7,608	7,832	+2.9%
Male	7,528	8,029	6.7%

[Next](#)

For more details or local results, visit [QWI Online](#).  
U.S. Census Bureau, Local Employment Dynamics,  
11/27/2012, 15:59:55 pm

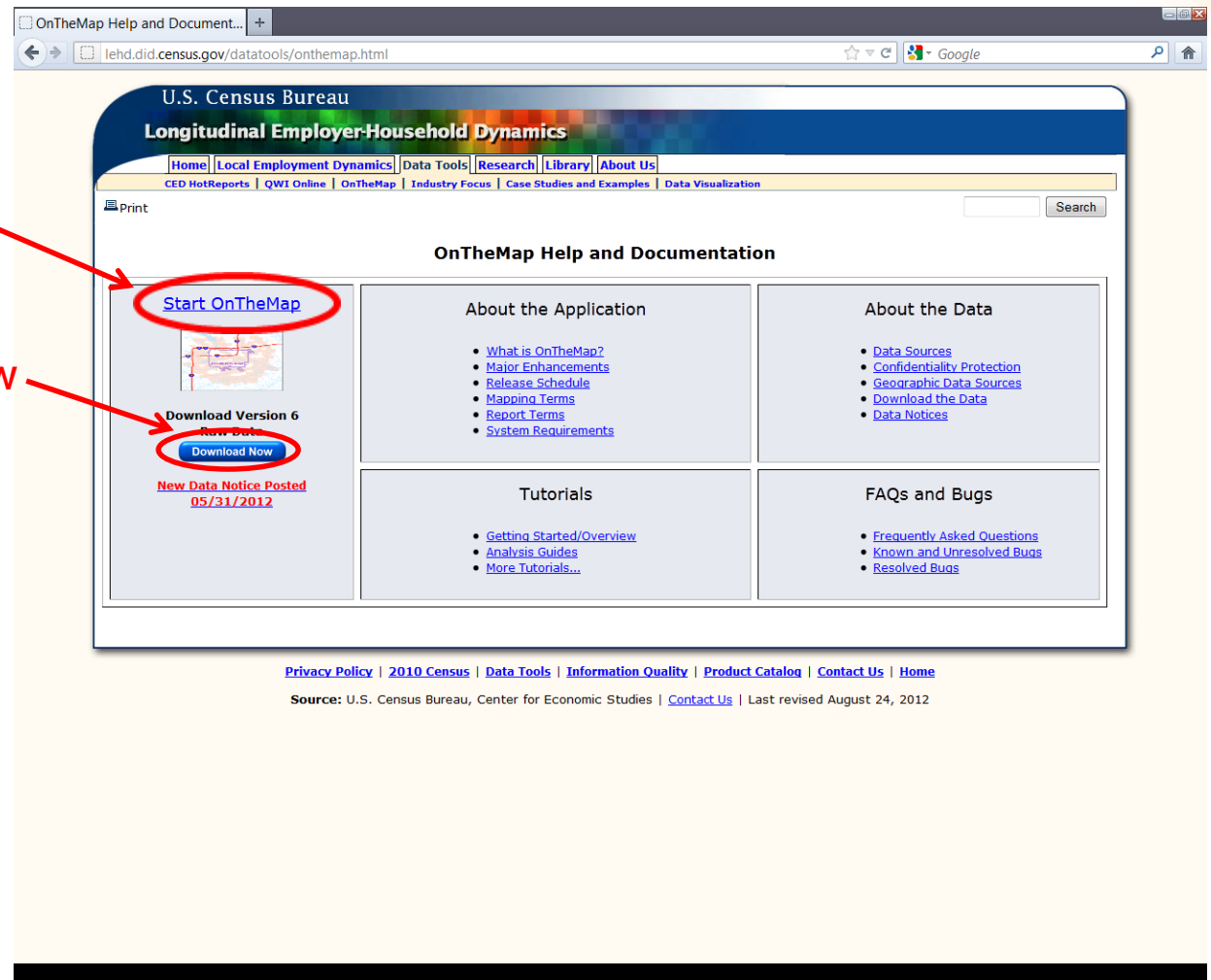
Please send your comments/suggestions to [CES.Local.Employment.Dynamics@census.gov](mailto:CES.Local.Employment.Dynamics@census.gov)

[Privacy Policy](#) | [2010 Census](#) | [Data Tools](#) | [Information Quality](#) | [Product Catalog](#) | [Contact Us](#) | [Home](#)

Source: U.S. Census Bureau, Center for Economic Studies | [Contact Us](#) | Last revised September 19, 2012

# LEHD START ONTheMAP

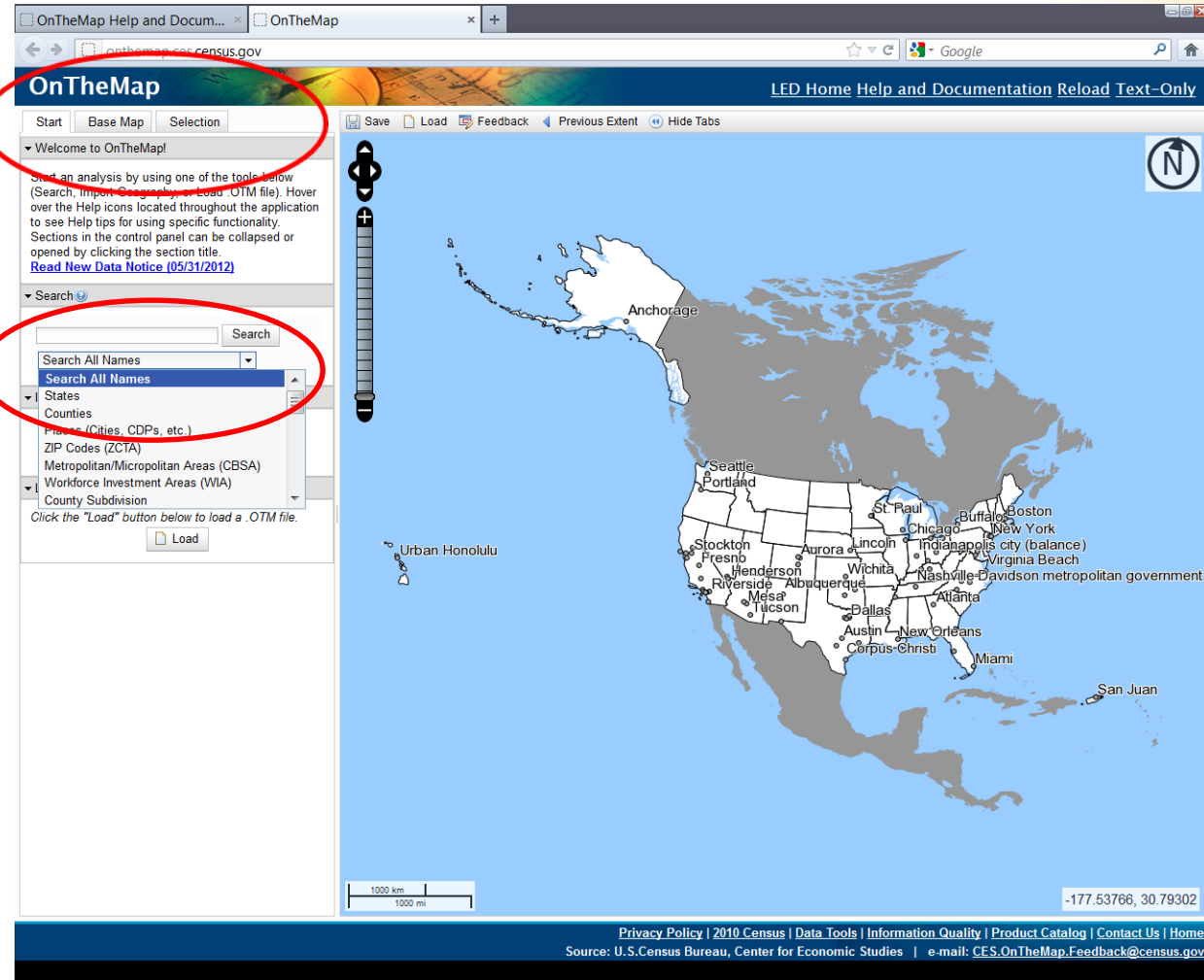
- Click on **Start OnTheMap** link for interactive map
- Or click on **Download Now** button
- On the map data is updated yearly
- Data available from 2002 - 2010





# ONTheMAP

- Select by drawing a polygon or Shape
- Search by name of place or County



- Click on **Perform Analysis on Selection Area** link

OnTheMap - Mozilla Firefox

File Edit View History Bookmarks Tools Help

OnTheMap Help and Docum... OnTheMap

onthemap.ces.census.gov

Google

**OnTheMap** LED Home Help and Documentation Reload Text-Only

Start Base Map Selection Save Load Feedback Previous Extent Hide Tabs

▼ Welcome to OnTheMap

Start an analysis by using one of the tools below (Search, Import Geography, or Load .OTM file). Hover over the Help icons located throughout the application to see Help tips for using specific functionality. Sections in the control panel can be collapsed or opened by clicking the section title.

[Read New Data Notice \(05/31/2012\)](#)

Search

baltimore Search

Counties

Counties

Baltimore County, MD

Baltimore city, MD

▼ Import Geography

Import from KML

Import from SHP

Import from GPS

▼ Load .OTM File

Click the "Load" button below to load a .OTM file.

Load

Baltimore County, MD  
from Counties  
Selection Area: 681,706 Sq. M.  
Census Blocks: 15,767

**Perform Analysis on Selection Area**

Change Selection Area

Add Advanced Selection

Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home

Source: U.S. Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov

# ONTheMAP

- After selecting geography select either home or work
- Then select analysis type
- Year
- Type of Job
- Then click Go to do the analysis

The screenshot shows the OnTheMap web application in a Mozilla Firefox browser window. The URL is [onthemap.ces.census.gov](http://onthemap.ces.census.gov). The interface includes a search bar, a map of Baltimore, and an 'Analysis Settings' panel. Red circles and arrows highlight the following steps:

- Search:** The search bar contains 'baltimore'.
- Home/Work Area:** The 'Work' radio button is selected under the 'Home/Work Area' section.
- Analysis Type:** The 'Inflow/Outflow' radio button is selected under the 'Analysis Type' section.
- Year:** The '2010' checkbox is selected under the 'Year' section.
- Job Type:** The 'All Jobs' radio button is selected under the 'Job Type' section.
- Go Button:** The 'Go!' button is highlighted at the bottom right of the 'Analysis Settings' panel.

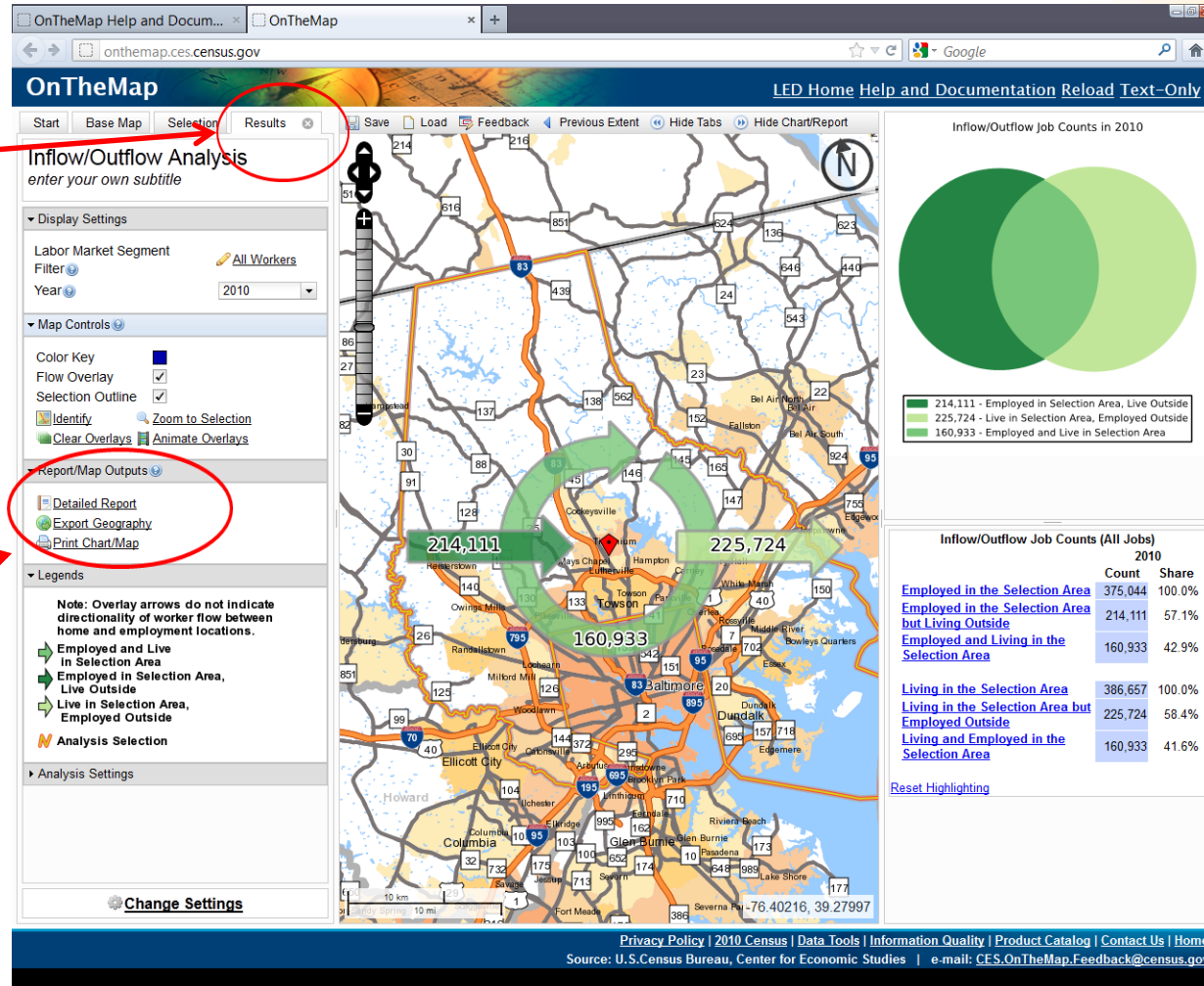
The 'Analysis Settings' panel also includes sections for 'Area Profile', 'Area Comparison', 'Distance/Direction', and 'Destination'. The 'Go!' button is accompanied by a 'Cancel' button.

Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home  
Source: U.S. Census Bureau, Center for Economic Studies | e-mail: [CES.OnTheMap.Feedback@census.gov](mailto:CES.OnTheMap.Feedback@census.gov)



# ONTheMAP

- Results tab showing additional features
- Outputs to export data - detailed Excel table, Shapefile or a PDF document to print the map



# ONTheMAP

- Data can be exported as **PDF**, **Excel** or **HTML** format.

- To do a different analysis, click on **Change Settings**

**OnTheMap**

LED Home Help and Documentation Reload Text-Only

Start Base Map Selection Results Save Load Feedback Previous Extent Hide Tabs Hide Chart/Report

Inflow/Outflow Analysis  
enter your own subtitle

Display Settings Labor Market Segment Filter Year

Map Controls Color Key Flow Overlay Selection Outline Identify Zoom to Clear Overlays Animate

Report/Map Outputs Detailed Report Export Geography Print Chart/Map

Legends Note: Overlay arrows do not indicate directionality of worker flow. Home and employment location are indicated by green arrows. Employed and Live In Selection Area Employed in Selection Area Live Outside Live in Selection Area, Employed Outside Analysis Selection Analysis Settings

**Detailed Report View**

Export to PDF Export to XLS Export to HTML

**Inflow/Outflow Report**

**Selection Area Labor Market Size (All Jobs)**

	Count	Share
Employed in the Selection Area	375,044	100.0%
Living in the Selection Area	386,657	103.1%
Net Job Inflow (+) or Outflow (-)	-11,613	-

**In-Area Labor Force Efficiency (All Jobs)**

	Count	Share
Living in the Selection Area	386,657	100.0%
Living and Employed in the Selection Area	160,933	41.6%
Living in the Selection Area but Employed Outside	225,724	58.4%

**In-Area Employment Efficiency (All Jobs)**

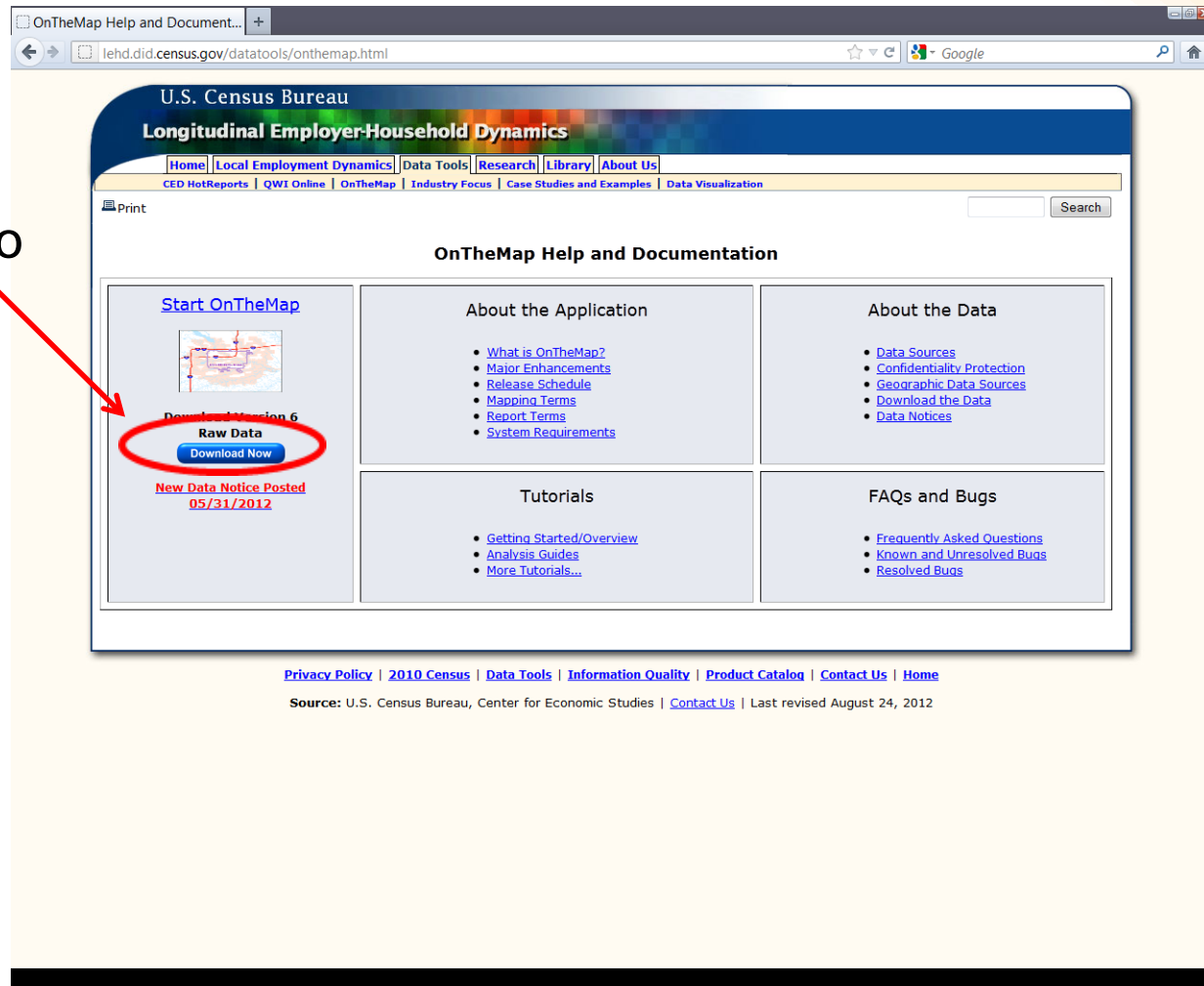
	Count	Share
Employed in the Selection Area	375,044	100.0%
Employed and Living in the Selection Area	160,933	42.9%
Employed in the Selection Area but Living Outside	214,111	57.1%

**Change Settings**

Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home  
Source: U.S. Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov

# LEHD DOWNLOAD DATA

- Click on **Download Now** button to download data to your computer



# LEHD DATA DOWNLOADS

- Data is available in CSV format
- Data available for both 2000 and 2010 geographies to the census block level
- Census 2000 geography data is available from 2002 to 2009
- Census 2010 geography data is available from 2002 to 2010
- Federal employment is available for 2010 Data sets



# LEHD DATA LIMITATIONS

- Multiple worksite employers may show all employees located at primary address
- Only one State (Minnesota) requires employers to identify specific worksites on wage records
- Does not have Journey to work characteristics (mode and travel time)
- Income data is for a job not to be confused with household income.

